

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/03670

A. CLASSIFICATION OF SUBJECT MATTER				
IPC 7 C01B3/04 B01D53/047 B01D53/22 B01D53/86 C01B3/50 C01B3/56				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
IPC 7 C01B B01D				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)				
EPO-Internal, CHEM ABS Data, PAJ, INSPEC, COMPENDEX				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
Y	EP 0 687 494 A (JAPAN PIONICS) 20 December 1995 (1995-12-20) the whole document			1-13
Y	COLLINS J P ET AL: "Catalytic decomposition of ammonia in a membrane reactor" JOURNAL OF MEMBRANE SCIENCE, ELSEVIER SCIENTIFIC PUBL. COMPANY. AMSTERDAM, NL, vol. 96, no. 3, 12 December 1994 (1994-12-12), pages 259-274, XP004041525 ISSN: 0376-7388 abstract			1-13
X	US 6 331 281 B1 (TERU SUEHACHI ET AL) 18 December 2001 (2001-12-18) claims			1,10 -/-
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents :				
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X document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
Y document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.				
& document member of the same patent family				
Date of the actual completion of the International search	Date of mailing of the International search report			
28 November 2003	05/12/2003			
Name and mailing address of the ISA	Authorized officer			
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Van der Poel, W			

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03) & JP 2000 233117 A (JAPAN PIONICS CO LTD), 29 August 2000 (2000-08-29) abstract	1,10
A	EP 0 624 392 A (JAPAN PIONICS) 17 November 1994 (1994-11-17) page 2, line 18 - line 31; claims; figures	1,10

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